Elbit Systems Land
Small Caliber Ammunition Portfolio

Advanced ammunition solutions

Elbit Systems™
Land

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Advanced ammunition solutions

Elbit Systems' name is synonymous with excellence in weapon systems, with an outstanding global reputation for innovation and reliability. Elbit Systems offers unmatched expertise and a high-performance array of combat-proven small caliber ammunition solutions to meet the range of military and law enforcement.

High-level production capabilities and sophisticated facilities

Elbit Systems' advanced production infrastructure encompasses an area of over 20,000 square meters and covers all aspects of manufacturing, assembly, packing, metallurgic, ballistics, full in-house live firing testing and quality assurance and control systems.

Wide array of advanced small caliber ammunition

Elbit Systems Land offers high quality military grade small caliber ammunition that is fully compliant with MIL-C, NATO and IDF military standards. Offering outstanding accuracy and performance, the wide range of small caliber ammunition is used by the IDF, NATO armies, the U.S. Army and other armed forces, special units, law enforcement agencies and security organizations.

Elbit Systems Land manufactures a complete range of small caliber ammunition, ranging from 9mm, 5.56mm, 7.62mm, .338 Lapua Magnum to .50 (12.7mm) caliber cartridges. Innovative solutions are designed in response to specific operational needs, such as armor penetration, stopping power, accuracy for snipers, anti-terror and special forces, as well as cost-effective and "green" (non-toxic) solutions for training purposes.

5.56mm X 45 / .223 Rem

M193

The combat-proven M193 round has been in global use since the 1960s. The cost-effective round is compatible with all weapons using standard 5.56mm ammunition and is MIL-C-9963F compliant.

Bullet weight	55gr
Type	Ball
Velocity avg	960 mps / 3,150 fps with 20" barrel
Accuracy at 91m (100 yd)	R ≤ 2.5cm / 1"

M855

Ideal for multiple operations and for training, the combat-proven steel core FMJ bullet is designed for enhanced operational performance. The heavier 62 grain projectile offers improved accuracy and penetration against personnel and unarmored/light-armored targets. The M855 cartridge is compatible with standard 5.56mm rifles and machine guns and is MIL-C-63989C compliant.

Bullet weight	62gr
Type	Ball
Velocity avg	920 mps / 3,020 fps with 20" barrel
Accuracy at 550m (600yd)	SD ≤ 17.3cm / 6.8"
Penetration at 600m (656yd)	3.5mm / 0.137" Steel Plate SAE 1010 / 1020

NATO Ball

Ideal for multiple operations and for training, the combat-proven steel core FMJ bullet is designed for enhanced operational performance. The heavy 62 grain projectile offers improved accuracy and penetration against personnel and unarmored/light-armored targets. The Ball is compatible with standard 5.56mm rifles and machine guns.

Bullet weight	62gr
Type	Ball
Muzzle energy min	1,480 joules
Accuracy at 550m (600yd)	SD ≤ 20cm / 7.8"
Penetration at 570m (623yd)	3.5mm / 0.137" Steel Plate

Armor Piercing Match (APM)

The APM hard core bullet significantly improves penetration and accuracy compared to regular 5.56mm and 7.62mm Ball rounds. The cost-efficient round eliminates the need for heavier weapons for the same operational demands and enables soldiers to carry more ammunition for greater mission success.

Bullet weight	73gr
Type	Hard core, FMJ
Velocity avg	850 mps / 2,790 fps with 20" barrel
Accuracy at 550m (600yd)	SD ≤ 16cm / 6.3"
Penetration at 250m (273yd)	7mm / 0.275"Armored Steel Plate(350 HB)

.223 Rem

The .223 cartridge is compatible with weapons designed to operate with standard .223 REM ammunition.

Bullet weight	55gr
Type	FMJ-BT
Velocity avg	980 mps / 3,215 fps with 24" barrel

Tracer (M856)

The combat-proven high-visibility standard 5.56 Tracer provides luminosity during its trajectory to target.

Bullet weight	61.7gr
Type	Tracer, M856
Muzzle energy min	1,480 joules
Accuracy at 550m (600yd)	SD ≤ 30cm / 11.8″

M200 Blank

The M200 blank cartridge is used for accurate simulated live-fire training on weapons with a blank firing attachment (BFA). The noise level is not less than a 5.56mm Ball cartridge fired under identical conditions with the same equipment. The M200 is MIL-C-60616C compliant.

Long Blank

The long blank is used for accurate simulated live-fire training on weapons with a blank firing attachment (BFA). The case mouth is closed with a 4-petal rosette crimp. The noise level is not less than 5.56mm Ball cartridge fired under identical conditions with the same equipment.

Frangible Lead-Free

Ideal for close-quarter combat, crowded areas, sensitive infrastructures and training, the non-toxic round disintegrates on impact with hard surfaces and reduces toxic vapors in indoor and outdoor ranges. The lead-free sintered copper and tin powder bullet eliminates splash-back, reduces ricochet and eliminates secondary casualties.

Bullet weight	42gr
Type	Frangible Lead-Fee
Velocity avg	940 mps / 3,083 fps with 20″ barrel
Accuracy at 100m (110yd)	ES ≤ 12.7 cm / 5″

77 Grain OTM-BT Razor Core

Part of the performance-optimized Razor Core series, this round improves long-range accuracy, stopping power and lethality for automatic rifles, compared to standard 5.56mm Ball rounds. Developed for special forces, the round incorporates advanced Open Tip Match technology and is designed for long and short barrel weapons.

Bullet weight	77gr
Type	OTM-BT
Velocity avg	835 mps / 2,740 fps with 20" barrel
Accuracy at 550m (600yd)	ES ≤ 35cm/13.8"

69 Grain OTM-BT Razor Core

Part of the performance-optimized Razor Core series, the round improves long-range accuracy, stopping power and lethality for automatic rifles, compared to standard 5.56mm Ball rounds. Developed for special forces, the round incorporates advanced Open Tip Match technology and is designed for long and short barrel weapons.

Bullet weight	69gr
Type	OTM-BT
Velocity avg	850 mps / 2,788 fps with 20" barrel
Accuracy at 550m (600yd)	ES ≤ 35cm/13.8"

Reduced Range

The cost-effective training round is designed to reduce the dangerous firing zone.

Type	FMJ
Accuracy at 200m	SD ≤ 10cm/3.9"
Range max	Up to 50% of 5.56mm Ball
Trajectory match	According to MOPI Up to 300m (328yd)

7.62mm X 51 / .308 Win

NATO Ball

The Ball is combat-proven by the Israel Defense Forces (IDF) and the U.S. Army, both infantry-carried and with vehicle, aircraft and ship-mounted weapons. The bullet is designed for use against unarmored targets and is STANAG-2310 and MIL-C-46931F compliant.

Bullet weight	149gr
Type	Ball
Velocity avg	814 mps / 2,670 fps with 22" barrel
Accuracy at 550m (600yd)	SD ≤ 20cm / 7.8"

APM, Armor Piercing Match

The cost-effective cartridge features improved armor piercing capability, and is highly effective against light armored vehicles (LAVs).

Bullet weight	168gr
Type	FMJ, APHC
Energy min	3,000 joules with 22" barrel
Accuracy at 550m (600yd)	SD≤ 20cm / 8"
Penetration at 350m (382yd)	7mm / 0.275"Steel Plate (350 HB)

168 Grain Match, OTM-BT, Razor Core

Part of the performance-optimized Razor Core series, this round improves long-range accuracy, stopping power and lethality. Developed for special forces requirements, the round incorporates advanced Open Tip Match (OTM) technology and is designed for military and commercial uses.

Bullet weight	168gr
Type	OTM-BT
Velocity avg	777 mps / 2,570 fps with 22″ barrel
Accuracy at 550m (600yd)	ES ≤ 25.4cm / 10″

175 Grain Match, OTM-BT, Razor Core

Part of the performance-optimized Razor Core series, the bullet improves long-range accuracy, stopping power and lethality. Developed for special forces requirements, the round incorporates advanced Open Tip Match technology and is designed for military and commercial uses.

Bullet weight	175gr
Type	OTM-BT
Velocity avg	770 mps / 2,526 fps with 22″ barrel
Accuracy at 550m (600yd)	ES ≤ 25.4cm / 10″

240/220 Grain Subsonic, OTM-BT, Razor Core

Part of the performance-optimized Razor Core series, this round delivers improved long-range accuracy, stopping power and lethality for sniper rifles with integral silencer, eliminating sound and flash. This subsonic cartridge is designed for the needs of special forces, military and law enforcement units.

Bullet weight	240gr	220gr
Type	OTM-BT	OTM-BT
Velocity avg	285 mps / 935 fps	300 mps / 984 fps
Accuracy at 100m (109yd)	ES ≤ 10.0cm / 4″	ES ≤ 10.0cm / 4″

Tracer (M62)

The Tracer delivers enhanced tracer visibility with high-visibility luminosity of trajectory to point of contact. For use against unarmored targets, this tracer is combat-proven by the IDF and the U.S. Army, both infantry-carried and with vehicle, aircraft and ship-mounted weapons. It is STANAG-2310 and MIL-46281F compliant.

Bullet weight	146gr
Type	Tracer
Velocity avg. at 24m (78ft)	814 mps / 2,670 fps with 22" barrel
Accuracy at 550m (1,800ft)	SD ≤ 30 cm / 11.8"
Visibility	No greater than 140m (153yd) No less than 775m (847yd)

Blank (M82)

The M82 blank cartridge is designed to accurately simulate real firing during training exercises, for use with 7.62mm x 51 weapons with BFA. The case mouth is closed with a 5-petal rosette crimp. The noise level not less than a 7.62mm Ball M80 cartridge fired in identical conditions, with the same equipment.

9mm X 19 / 9mm Luger

115 Grain, NATO Ball

The combat-proven Ball meets STANAG 4090 requirements. It is in use by armies and in global military and law enforcement units, with 9mm x 19 pistols and submachine guns.

Bullet weight	115gr
Type	FMJ
Velocity avg	380mps / 1,246 fps with 7.85" barrel
Accuracy at 46m (50yd)	SD ≤ 7.6cm / 3"

115 Grain, FMJ-FN, Match

A Full Metal Jacket Flat Nose (FMJ - FN) bullet with enhanced accuracy, the 115 grain FMJ-FN is widely used in 9mm Luger handguns and submachine guns. The bullet is used in law enforcement and is SAAMI and C.I.P compliant.

Bullet weight	115gr
Type	FMJ-FN
Velocity avg	350 mps / 1,148 fps with 4" barrel
Accuracy at 23m (25yd)	ES ≤ 5cm / 2"

115 Grain, CMJ-RN, Green

This fully encapsulated Complete Metal Jacket (CMJ) cartridge with lead-free primers is an eco-friendly training round that eliminates toxic vapors. This cartridge delivers enhanced accuracy and is compatible with all 9mm Luger handguns and submachine guns.

Bullet weight	115gr
Type	CMJ-RN
Velocity avg	385 mps / 1,263 fps with 7.85″ barrel
Accuracy at 46m (50yd)	SD ≤ 5cm / 2″

115 Grain, CMJ-FN, Green, Match

This fully encapsulated Complete Metal Jacket (CMJ) cartridge with lead-free primers is an eco-friendly training round that eliminates toxic vapors. This cartridge delivers enhanced accuracy compared to standard 9mm rounds. It is compatible with all 9mm Luger handguns and submachine guns and meets STANAG 4090 requirements requirements.

Bullet weight	115gr
Type	CMJ-FN
Velocity avg	385 mps / 1,263 fps with 7.85″ barrel
Accuracy at 23m (25yd)	ES ≤ 5 cm / 2

115 Grain, JHP, Di-Cut

The Jacket Hollow Point (JHP) round delivers superior stopping power and is specially designed for consistent feeding and operation. The round offers enhanced performance for security and law enforcement units and is SAAMI and C.I.P compliant.

Bullet weight	115gr
Type	JHP, Di-Cut
Velocity avg	350 mps / 1,150 fps with 4″ barrel
Accuracy at 23m (25yd)	ES ≤ 7.6cm / 3″

115 Grain, JHP, Ex-Star

The high-performance Jacket Hollow Point (JHP) round delivers extra stopping power, and is designed for consistent feeding and operation. The round was specially developed for security use and is SAAMI and C.I.P. compliant.

Bullet weight	115gr
Type	JHP, Ex-Star
Velocity avg	350 mps / 1,150 fps with 4" barrel
Accuracy at 23m (25yd)	ES ≤ 7.6cm / 3"

124 Grain, NATO Ball

The combat-proven Ball round is in use by armies and in global military and law enforcement use with 9mm x 19 pistols and submachine guns.

Bullet weight	124gr
Type	FMJ
Velocity avg	375mps/1,230 fps with 7.85" barrel
Accuracy at 46m (50yd)	SD ≤ 7.6cm / 3"

158 Grain, FMJ-BT, Subsonic

Combat-proven by top military and special forces, the heavy 9mm bullet provides enhanced and extremely quiet performance. This round is suitable for both standard and silenced weapons and delivers smooth operation in pistols and submachine guns.

Bullet weight	158gr
Type	FMJ-BT
Velocity avg	285 mps / 935 fps with 4" barrel
Accuracy at 23m (25yd)	ES ≤ 7.6 cm / 3"

Frangible, Lead-Free

A non-toxic round ideal for close-quarter combat, crowded areas, sensitive infrastructures and for training, it is assembled with a frangible projectile that disintegrates on impact with hard surfaces and reduces toxic vapors in indoor and outdoor ranges. The lead-free sintered copper and tin powder bullet eliminates splash-back, reduces ricochet and eliminates secondary casualties.

Bullet weight	100gr
Type	Frangible, lead-free
Velocity avg	390 mps / 1,280 fps with 4" barrel
Accuracy at 23m (25yd)	ES ≤ 12.7 cm / 5"

12.7mm x 99 /.50BMG

NATO Ball (M33)

The combat-proven M33 Ball is in use by military and special forces units against personnel, unarmored and light armored targets. It is ideal for both operations and training. This round meets MIL and NATO standards and is designed for machine guns and sniper rifles.

Bullet weight	661gr
Type	FMJ
Velocity avg. at 24m (26yd)	887 mps/2,910 fps with 45" barrel
Accuracy at 550m (600yd)	SD ≤ 30cm / 11.8"

Armor Piercing, M2

This armor-piercing cartridge is specially designed for highly effective use against armored targets.

Bullet weight	660gr
Type	M2
Velocity avg. at 24m (26yd)	887 mps / 2910 fps with 36" barrel
Accuracy at 550m (600yd)	R ≤ 30.5cm / 12"

NATO Tracer (M17)

The combat-proven Tracer cartridge enables highly visible observation of the bullet's trajectory to a long-range point of impact, with an effective range of over 1,000m (1,100yd). In use by military and special forces units, the cartridge meets MIL and NATO standards.

Bullet weight	619gr
Type	Tracer
Velocity avg. at 24m (26yd)	887 mps / 2,910 fps with 45" barrel
Accuracy at 550m (600yd)	SD ≤ 40cm / 16"
Tracer visibility	200-1,500m (218-1,640yd)

Armor Piercing Incendiary (M8)

This combat-proven cartridge is highly effective against multiple bullet resistant targets such as armored vehicles, fortifications and shelters. Designed for machine guns and sniper rifles, the round is in use by world-leading, military and special forces units and meets MIL and NATO standards.

Bullet weight	655gr
Type	M8, API
Velocity avg. at 24m (26yd)	887 mps / 2,910 fps with 45" barrel
Accuracy at 550m (600yd)	SD ≤ 30cm / 11.8"
Penetration at 100m (110yd)	22mm / 0.875" Steel Plate

Armor Piercing Incendiary Tracer (M20)

The combat-proven cartridge is highly effective against multiple bullet resistant targets such as armored vehicles, fortifications and shelters, with an added visible tracer to the armor piercing incendiary capabilities. The bullet features a hardened steel core for enhanced damage on impact. Designed for machine guns and sniper rifles, the cartridge is in use by military and special forces units and meets MIL and NATO standards.

Bullet weight	620gr
Type	M20, APIT
Velocity avg. at 24m (26yd)	887 mps / 2,910 fps with 45" barrel
Accuracy at 550m (600yd)	SD ≤ 40cm / 15.7"
Penetration at 100m (110yd)	22mm / 0.875" Steel Plate
Tracer visibility	200-1500m (218-1,640yd)

Armor Piercing Hard Core

The highly effective ultra-penetration round for special operations is designed for use against armored targets.

Bullet weight	780gr
Type	APHC
Velocity avg. at 24m (26yd)	830 mps / 2,723 fps with 45" barrel
Accuracy at 550m (600yd)	SD ≤ 30 cm / 11.8"
Penetration at 500m (546yd)	22 mm / 0.875" Steel Plate (RHA 350HB)

Reduced Range

The cost-effective training round for machine guns and sniper rifles eliminates the need for weapon adaptors, and is designed to reduce security range fire requirements by 50%. The bullet meets NATO requirements.

Bullet weight	617gr
Type	FMJ
Velocity avg. at 24m (26yd)	900 mps / 2,952 fps with 45" barrel
Accuracy at 550m (600yd)	SD ≤ 30cm / 11.8"
Range max	3,700m (4,047yd)
Ballistics	Identical to 12.7mm Ball Up to 800m (874yd)

338 Lapua Magnum

250 Grain, OTM-BT, Razor Core

Part of the performance-optimized Razor Core series, the cartridge is designed for improved long-range accuracy, and is highly effective up to 1,200m (1,312yd). Designed for use by snipers, this cartridge meets military requirements

Bullet weight	250gr
Type	OTM-BT
Velocity avg	890 mps / 2,920 fps
Accuracy at 800m (875yd)	≤ 25cm / 10"

300 Grain, OTM-BT, Razor Core

Part of the performance-optimized Razor Core family, this cartridge is designed for improved long-range accuracy and is highly effective up to 1,200m (1,312yd). Designed for use by snipers, the cartridge meets military requirements.

Bullet weight	300gr
Type	OTM-BT
Velocity avg	800 mps / 2,624 fps
Accuracy at 800m (875yd)	≤ 25cm / 10"

Armor Piercing, Match

The specially designed OTM-APHC round provides extremely effective penetration with the improved accuracy of match performance.

Bullet weight	290gr
Type	Hard Core, OTM-BT
Velocity avg	800 mps / 2,624 fps
Accuracy at 300m (328yd)	ES ≤ 12cm / 4.7"
Penetration at 100m/109 yd	16mm / .630" Armor Steel Plate RHA (350HB)

Linked Ammo

Linked Ammo

Elbit Systems provides the following linked cartridges:

- 5.56mm X45 ammunition with M27 links
- 7.62mm X51 ammunition with M13 links
- 12.7mm x 99 / .50 caliber with M9 links

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